Amendments to the Claims:

This listing of the claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-5 (Canceled).

Claim 6 (New): A system for performing a method for suppressing latch-ups occurring in an electronic circuit wherein, in a current-limited supply voltage, an undervoltage is detected, the supply voltage is switched off following detection of a latch-up, and charge located in the circuit is reduced, said system protecting radiation-sensitive active circuit components of the electronic circuit, wherein the electronic circuit is subdivided into groups of active circuit components with substantially the same current consumption in a predefined area, and at least one of these groups of active circuit components with substantially the same current consumption in the predefined area has a protective circuit assigned to the electronic circuit, and wherein the protective circuit comprises a voltage controller adapted to be switched off and allowing for adjustment of a current limitation, an actuator, a comparator for detection of

undervoltage, two monoflops, a short-circuiting switch with current limitation and, at an output, at least one capacitor.

Claim 7 (New): A system for performing a method for suppressing latch-ups occurring in an electronic circuit wherein, in a current-limited supply voltage, an undervoltage is detected, the supply voltage is switched off following detection of a latch-up, and charge located in the circuit is reduced, said system protecting radiation-sensitive active circuit components of the electronic circuit, wherein the electronic circuit is subdivided into groups of active circuit components with substantially the same current consumption in a predefined area, and at least one of these groups of active circuit components with substantially the same current consumption in the predefined area has a protective circuit assigned to the electronic circuit, and wherein a unit for current detection is arranged upstream of a unit for voltage control to thereby avoid an influence of input current on output voltage.

Claim 8 (New): A system for performing a method for suppressing latch-ups occurring in an electronic circuit wherein, in a current-limited supply voltage, an undervoltage is detected, the supply voltage is switched off following detection of a

latch-up, and charge located in the circuit is reduced, said system protecting radiation-sensitive active circuit components of the electronic circuit, wherein the electronic circuit is subdivided into groups of active circuit components with substantially the same current consumption in a predefined area, and at least one of these groups of active circuit components with substantially the same current consumption in the predefined area has a protective circuit assigned to the electronic circuit, and wherein, for switching off a plurality or all of the groups of active circuit components having respectively one protective circuit assigned thereto, a signaling line and a control line are provided which connect the protective circuits of the groups of active circuit components on the output side and which themselves are connected to a central monoflop, so that, upon detection of a latch-up in one of the protective circuits, the central monoflop is started via the signaling line whereupon, via the control line, all voltage controllers are switched off and all short-circuiting switches of the protective circuits are activated and, after lapse of a predetermined brief delay, the supply voltage is restored again by monoflops respectively provided in a plurality or all groups of active circuit components of an electronic circuit.

Claim 9 (New): A method for suppressing latch-ups occurring in an electronic circuit comprising the steps of:

(a) subdividing the electronic circuit into groups of active circuit components with substantially the same currentl consumption in a predefined area;

(b) assigning a protective circuit to at least one of the groups of active circuit components with substantially the same current consumption in the predefined area;

(c) detecting an undervoltage in a current-limited supply voltage;

(d) switching off the supply voltage following detection of a latch-up;

(e) reducing charge existing in the circuit by a short-circuiting switch; and

(d) suppressing undervoltage detection for a short time during restoration of the supply voltage;

wherein the protective circuit comprises a voltage controller adapted to be switched off and allowing for adjustment of a current limitation, an actuator, a comparator for detection of undervoltage, two monoflops, a short-circuiting switch with current limitation, and at an output at least one capacitor.